

REFERRAL SYSTEM

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GOAL

Our end goal is to enable employed students and alumni to give back to the student community at Santa Clara University. Progressively, as job-seeking students get employed, they will have the opportunity to help their juniors who are in the same position as they were.

OVERVIEW

Our project will allow students/users to connect with senior students or alumni that are currently employed and available to refer candidates for open positions at their company. Users that are seeking referrals will be able to look for company-specific employees by filtering through company names that are attached to other user profiles.

REQUIREMENTS

- **Amazon Elastic Compute Cloud (EC2)** as a web server
- **Amazon Relational Database Service (RDS)** for managing user data
- **Amazon Simple Email Service (SES)** for user email notifications
- **Python and Django** for web development

WORK DIVISION

Aryan Bhav

- Database and Security Management

Chaitra Boggaram

- Database and User Profile Management

Juan Manuel Zuluaga

- User Interface

Shaunak Galvankar

- User Interface

ARCHITECTURE

We are using AWS as our public cloud infrastructure and a virtual machine in the form of an EC2 instance to host and serve our web application. We will create a Virtual Private Cloud (VPC) that consists of our EC2 instance and databases. The EC2 instance will be in a public subnet whereas all databases will be in a private subnet to prevent public access. The EC2 webserver will enable users to interact with our application and use the backend (private subnet) databases to log in and access other profile data.